	WORKSHEE	T W-4 2015	GROUNDWATER RIGHT/PERMIT/ BMP Farm Unit NO.
1	DWR WELL REGISTRATION NO.	10 40 160 LOCATION Q Q Q Sec Twn Rng	Date of Head or Stage Discharge Number of Seconds (Specify Units) (Gals/Min) for 10 Revs
2	TYPE OF MEASURING DEVICE	MAKE/MODEL INSTALLATION OR OVERHAUL DATE	A MINIMUM OF TWO MEASURE - MENTS IS REQUIRED
			7 AVERAGE DISCHARGE FACTOR B AVERAGE SECONDS FACTOR C
3	POWER CO. NAME	ACCOUNT NO. ELECTRIC METER NO.	9 DIVIDER = 19550 X A X 10 B X C =
4	Kr Kh	5 FACTOR A = = Kr x Kh	GROUNDWATER WITHDRAWN = BOX 9 = ACRE FEET
1	DWR WELL REGISTRATION NO.	10 40 160 LOCATION Q Q Q Sec Twn Rng	Date of Head or Stage Discharge Number of Seconds (Specify Units) (Gals/Min) for 10 Revs
2	TYPE OF MEASURING DEVICE	MAKE/MODEL	A MINIMUM OF TWO MEASURE - TOTALS MENTS IS REQUIRED
	SIZE	INSTALLATION OR OVERHAUL DATE	7 AVERAGE DISCHARGE FACTOR B AVERAGE SECONDS FACTOR C
3	POWER CO. NAME	ACCOUNT NO. ELECTRIC METER NO.	9 DIVIDER = 19550 X A X 10 ENERGY CONSUMPTION Kw hrs
4	Kr Kh	5 FACTOR A = = Kr x Kh	GROUNDWATER WITHDRAWN = BOX 10 BOX 9 ACRE FEET
1	DWR WELL REGISTRATION NO.	10 40 160 LOCATION Q Q Q Sec Twn Rng	Date of Head or Stage Discharge Number of Seconds (Specify Units) (Gals/Min) for 10 Revs
2	TYPE OF MEASURING DEVICE	MAKE/MODEL INSTALLATION OR OVERHAUL DATE	A MINIMUM OF TWO MEASURE - MENTS IS REQUIRED
	SILE	INSTALLATION OR OVERHAUL DATE	7 AVERAGE DISCHARGE FACTOR B AVERAGE SECONDS FACTOR C
3	POWER CO. NAME	ACCOUNT NO. ELECTRIC METER NO.	9 DIVIDER = 19550 X A X 10 ENERGY CONSUMPTION Kw hrs
4	Kr Kh	5 FACTOR A = = Kr x Kh	GROUNDWATER WITHDRAWN = BOX 0 BOX 9 ACRE FEET
1	DWR WELL REGISTRATION NO.	10 40 160 LOCATION Q Q Q Sec Twn Rng	Date of Head or Stage Discharge Number of Seconds (Specify Units) (Gals/Min) for 10 Revs
2	TYPE OF MEASURING DEVICE	MAKE/MODEL	A MINIMUM OF TWO MEASURE - MENTS IS REQUIRED
	SIZE	INSTALLATION OR OVERHAUL DATE	7 AVERAGE DISCHARGE FACTOR B SECONDS FACTOR C
3	POWER CO. NAME	ACCOUNT NO. ELECTRIC METER NO.	9 DIVIDER = 19550 X A X 10 B X C = 10 ENERGY CONSUMPTION Kw hrs
4	Kr Kh	5 FACTOR A = = Kr x Kh	GROUNDWATER WITHDRAWN = BOX 9 = ACRE FEET

WORKSHEET W-4

Note: 1) This method cannot be used when energy meter serves other uses.

2) If you are using one of the new digital power meters, call the Annual Reports & Planning Section for further instructions.

OPEN CHANNEL FLOW WITH PUMPAGE CALCULATED USING FLECTRICAL ENERGY RECORDS

ELECTRICAL ENERGY RECORDS				
IN:	STRUCTIONS			
Note	e: If any information pre-printed on this form is incorrect, please make the needed corrections. For that information not already preprinted on this form, please follow the directions below.			
1.	Enter DWR well registration number and location in 1.			
2.	If the meter has been changed during the reporting year, enter type, make, model and size of measuring device used to measure discharge in 2. If the device is permanent, enter date installed or last overhauled.			
3.	Enter power company name, account number and meter number in 3.			
4.	Enter Kr and Kh from electric meter in 4. The Kr is the multiplier factor indicated on the power bill.			
	For some pump motors, which are 200 amps or less, the electric meter may be "self-contained" and the Kr is not used in computing Factor A (Kh=Factor A). Contact the metering department of your electric company to determine if your electric meter is self-contained, if you are not sure. The Kh is the disk constant and is located on the faceplate of the electric meter.			
5.	Compute Factor A by multiplying Kr by Kh. Enter in 5.			
6.	Enter date of measurement, head or stage recording* of the open channel flow, pump discharge, and the number of seconds it takes to turn the electric meter disk 10 revolutions, for each measurement taken in A minimum of two measurements are required. These measurements should be taken during the spring and in late summer if possible. Measuring more often produces more accurate results. It is desirable to operate the pump at least 24 hours before measuring the discharge.			
	* For submerged conditions, provide the values obtained for both upstream and downstream heads. If the Clausen Weir Rule is used, provide height of orifice (Ho) and A scale and B Scale readings.			
7.	Add the values in the pump discharge column and divide by the number of entries to obtain the average discharge which is designated as Factor B. Enter in 7.			
8.	Repeat the same procedure for the number of seconds column to obtain the average seconds which is designated as Factor C. Enter in 8.			
9.	Enter Factor A, Factor B, and Factor C in the formula provided. Complete the calculation as shown to obtain the divider. Enter in 9.			
10.	Enter the total energy consumption. This amount may be obtained from your electric energy bills. If you obtain this information by reading your meter, be sure to adjust the reading by the "multiplier" factor on your bill. Enter in 10.			
11.	Divide the total energy consumption entered in 10 by the value computed in 9 to obtain the total groundwater withdrawn by the well. Enter in 11.			
ENT	TER THE FOLLOWING ON SCHEDULE A OR PART 1 OF SCHEDULE A-GSF			
WO	ORKSHEET W-4 SCHEDULE A			
	DWR well registration number & location in column 2 if not already shown.			
В	Sox 11 Groundwater withdrawn in column 13.			

NOTE: THIS WORKSHEET MUST BE SUBMITTED WITH SCHEDULE A OR A-GSF.